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Subject: Re: [railMLv3]: switch referece point  
Posted by [christian.rahmig](#) on Mon, 08 Apr 2019 18:16:58 GMT  
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Dear all,

following our 35th railML Conference in Linz last week, I want to pick up the topic of the switch reference point again and summarize the current state of the discussion:

- 1) Depending on the use case different points of the switch are of interest.
- 2) For SCTP (schematic track plan) the WM (switch center, crossing point of tangents) seem to be the interesting one.
- 3) Use cases that have higher requirements on the lengths of the tracks the WA (switch begin) seems to be the best choice.
- 4) The WA (switch begin) is not clearly defined: some people locate it at the (virtual) begin of the radius of the branching track while others locate it at the begin of the switch tongues.
- 5) It would be good if a switch can be located via a <spotLocation> with any of the forementioned points and requirements.

And now my questions to you, dear community:

- a) Do you consider point 5) as essential for railML 3.x?
- b) Which point will you choose if you locate the switch via a <spotLocation>?

Thank you very much and best regards  
Christian

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